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1990 NORTH DAKOTA VEHICULAR CRASH FACTS



Drivers License and Traffic Safety Division
North Dakota Department of Transportation

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June 1991

Prepared by

**NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
BISMARCK, NORTH DAKOTA**

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INTRODUCTION

Crash statistics are an important element of North Dakota's traffic safety program. It is only through careful analysis of crashes that pertinent information can be learned about their causes. Corresponding solutions can then be found—laws can be introduced, safety programs can be implemented, enforcement can be increased, and highway improvements can be made.

The specific nature of this data is aimed at helping the various professionals involved in traffic safety by showing them where they can best concentrate their safety efforts. VEHICULAR CRASH FACTS, therefore, is a valuable reference for news media, legislators, researchers, law enforcement agencies, judicial personnel, insurance companies, businesses, students, and persons involved in traffic safety activities. It also carries a message to everyone who gets behind the wheel. Safety is everyone's business.

This report is a study of the data compiled from all North Dakota motor vehicle crash reports in 1990. Pertinent information is maintained concerning drivers, motor vehicles, highways, and traffic crashes. Other information is obtained from the state toxicologist, the Highway Patrol, and emergency medical services. The information is tied together in order to assist the North Dakota Department of Transportation in identifying problems and then in finding appropriate solutions.

Requests for further information or additional copies of this report should be addressed to:

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ACKNOWLEDGEMENTS

Gratitude is extended to all law enforcement personnel at the city, county, and state levels who provide the accurate crash reports from which these statistics are obtained. Their efforts make this report a reliable source of information.

DID YOU KNOW?

1988	1989	1990	
5,799,666,000	5,896,642,000	5,956,677,000	vehicle miles traveled within the state.
10,906	11,536	10,633	traffic crashes occurred in North Dakota.
104	81	112	persons were killed in traffic crashes.
4,924	4,973	4,890	persons were injured in traffic crashes.
56%	53%	45%	of the fatal crashes occurred during daylight hours.
81%	74%	82%	of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

1990 FACTS AND FIGURES

WHO?

3.9% of all licensed drivers in North Dakota were involved in a traffic crash.
 71% of all fatalities were male.
 35% of those killed were between the ages of 14-24. Males in this age group account for 38% of all male fatalities. Females in this age group account for 28% of all female fatalities.

Ratio of injured to killed was 4,890 to 112 or 44 to 1.

76% of the fatal crashes involved a single motor vehicle.

WHERE?

19% of the fatal crashes occurred in urban areas.
 84% of the fatal crashes occurred in rural areas.

WHEN?

38% of all fatal crashes occurred in October and November.
 19% of all fatal crashes occurred on Sunday.
 40% of all fatal crashes occurred on Saturday and Sunday.
 7% of all fatal crashes occurred between 11:00 p.m. and midnight.

A reportable crash occurred every 49 minutes.
 One person was injured every 1.8 hours.
 One person was killed every 3.3 days.

64% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 1990 was 20,113 compared to 21,737 in 1989.

Of the 204 motorcycles involved in crashes, 7 were involved in fatal crashes and 172 were involved in injury crashes.

Of the 113 pedalcycles involved in crashes, 2 were involved in fatal crashes and 110 were involved in injury crashes.

Of the 16 school buses involved in crashes, none were involved in fatal crashes and 2 were involved in injury crashes.

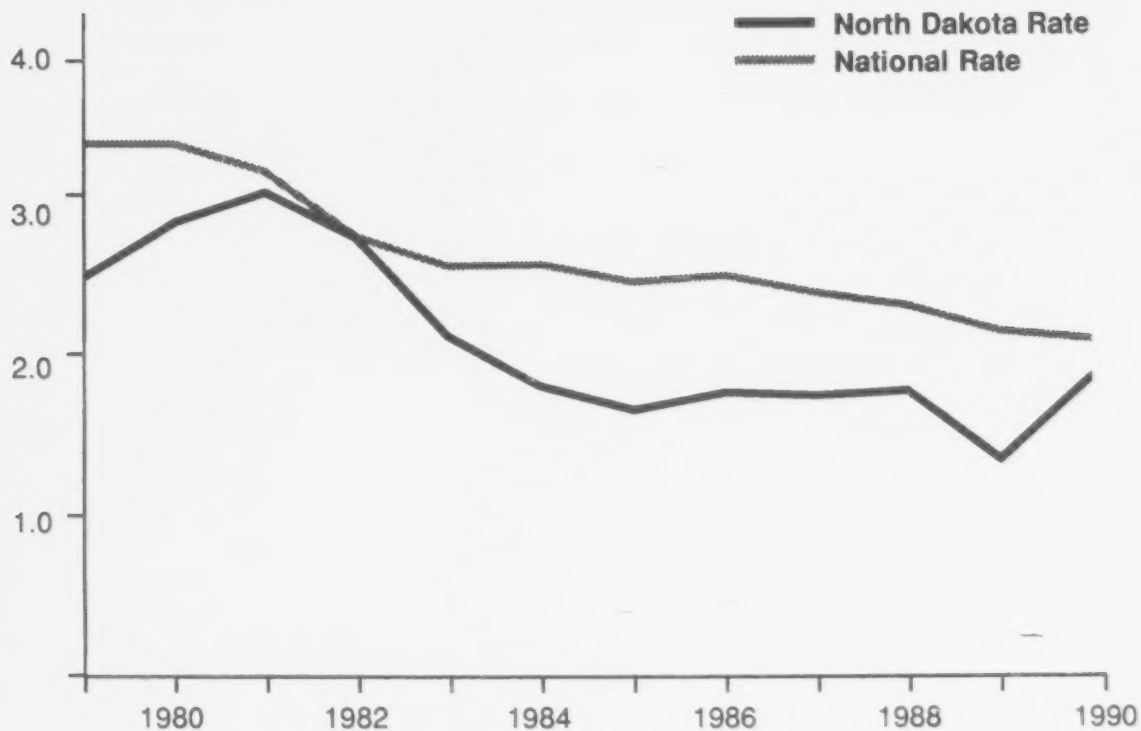
13 emergency vehicles were involved in crashes, none were involved in fatal crashes and 5 were involved in injury crashes.

COST OF TRAFFIC CRASHES

Year	Fatalities		Injuries		Property Damage Crashes		Total Est. Loss*
	Number	Est. Loss*	Number	Est. Loss*	Number	Est. Loss*	
1980	151	43,363,425	5,885	18,743,725	10,744	5,586,880	67,694,030
1981	166	47,671,050	6,213	19,788,405	11,069	5,755,880	73,205,335
1982	148	42,501,900	5,814	18,517,590	11,866	6,170,320	67,189,810
1983	116	33,312,300	5,504	17,530,240	10,971	5,704,920	56,547,460
1984	100	28,717,500	5,413	17,240,405	11,389	5,922,280	51,880,185
1985	90	25,845,750	5,509	17,546,165	10,895	5,665,400	49,057,315
1986	100	28,717,500	5,447	17,348,695	9,774	5,082,480	51,148,675
1987	101	29,004,675	5,120	16,307,200	7,751	4,030,520	49,342,395
1988	104	29,866,200	4,924	15,682,940	7,397	7,397,000	52,946,140
1989	81	23,261,175	4,973	15,839,005	8,040	8,040,000	47,140,180
1990	112	\$32,163,600	4,890	\$15,574,650	7,252	\$7,252,000	\$54,990,250

* Estimated at \$287,175 per fatality, \$3,185 per injury and \$520 per reportable accident.
 Estimated figures published by U.S. Department of Transportation, National Highway Traffic Safety Administration.
 On July 1, 1987, minimum damage for a reportable accident was changed to \$1,000.

FATALITIES, NORTH DAKOTA AND NATIONAL FATALITY RATE*

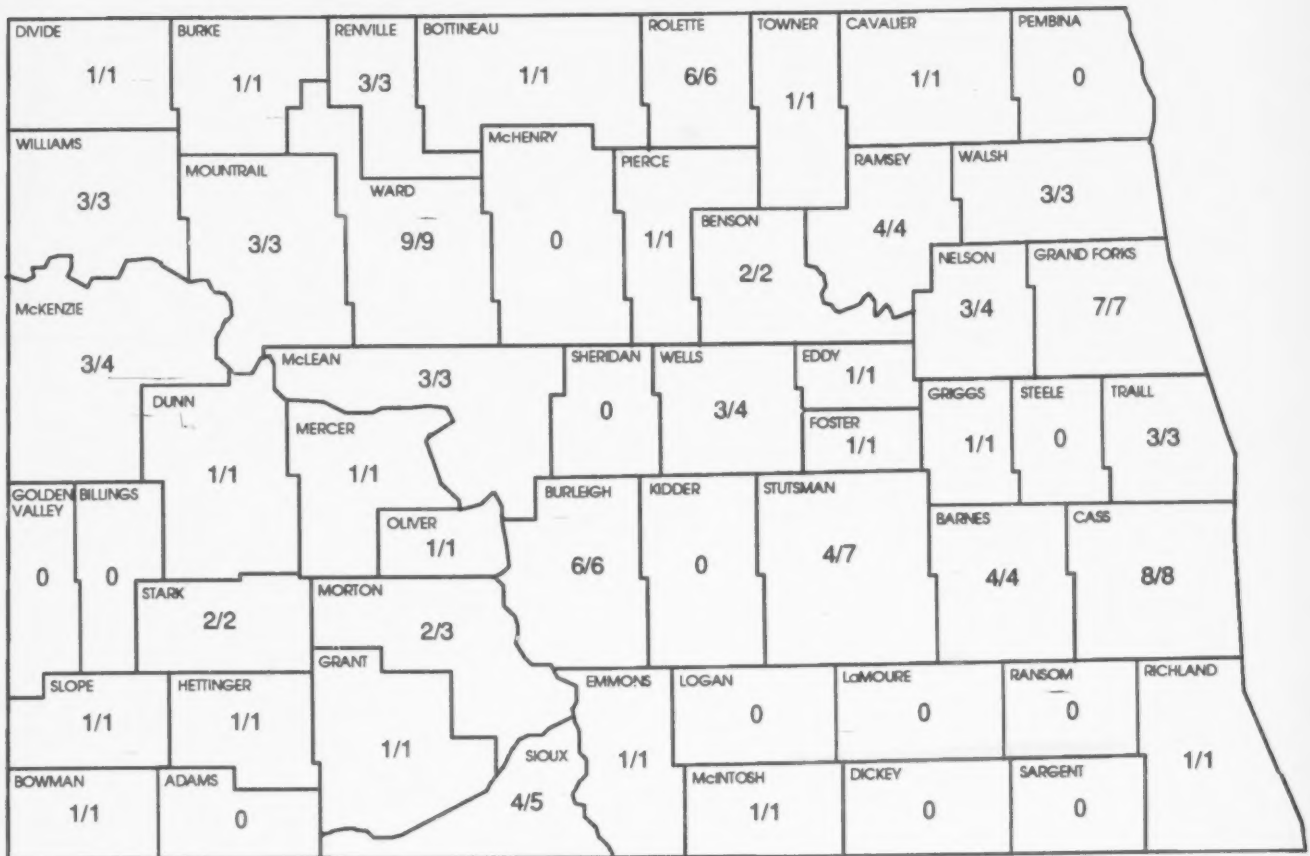


YEAR	NORTH DAKOTA FATALITIES	NORTH DAKOTA RATE	NATIONAL** FATALITIES	NATIONAL* RATE
1980	151	2.85	51,091	3.34
1981	166	3.04	49,301	3.17
1982	148	2.75	43,945	2.76
1983	116	2.13	42,589	2.57
1984	100	1.82	44,257	2.58
1985	90	1.67	43,825	2.47
1986	100	1.78	46,087	2.51
1987	101	1.76	46,383	2.40
1988	104	1.79	47,093	2.32
1989	81	1.37	45,555	2.16
1990	112	1.88	44,500	2.11

*Rate is based on deaths per 100 million vehicle miles traveled.

**Fatal Accident Reporting System Annual Report.

FATAL CRASHES/FATALITIES BY COUNTY 1990



STATE TOTAL
 Fatal Crashes - 104
 Fatalities - 112

PERSONS KILLED AND INJURED BY COUNTY

County	Number Killed	Number Injured	Pedestrians Killed	Pedestrians Injured
Adams	-	10	-	-
Barnes	4	113	1	2
Benson	2	59	-	-
Billings	-	17	-	1
Bottineau	1	39	-	-
Bowman	1	10	-	-
Burke	1	8	-	-
Burleigh	6	583	2	19
Cass	8	1,107	2	29
Cavalier	1	21	-	-
Dickey	-	30	-	-
Divide	1	4	1	-
Dunn	1	27	-	-
Eddy	1	13	-	1
Emmons	1	27	-	-
Foster	1	14	-	-
Golden Valley	-	12	-	-
Grand Forks	7	634	1	16
Grant	1	12	-	-
Griggs	1	27	-	-
Hettinger	1	23	-	1
Kidder	-	29	-	-
LaMoure	-	27	-	-
Logan	-	17	-	3
McHenry	-	20	-	-
McIntosh	1	11	-	-
McKenzie	4	31	-	-
McLean	3	47	1	1
Mercer	1	59	-	1
Morton	3	182	-	3
Mountrail	3	64	-	3
Nelson	4	30	-	-
Oliver	1	18	-	-
Pembina	-	41	-	1
Pierce	1	40	-	-
Ramsey	4	65	1	5
Ransom	-	27	-	1
Renville	3	25	-	-
Richland	1	96	-	4
Rolette	6	76	-	1
Sargent	-	23	-	-
Sheridan	-	-	-	-
Sioux	5	13	-	-
Slope	1	14	-	-
Stark	2	189	2	2
Steele	-	9	-	-
Stutsman	7	203	-	-
Towner	1	7	-	-
Traill	3	44	-	-
Walsh	3	98	1	2
Ward	9	413	1	17
Wells	4	31	-	-
Williams	3	151	-	7
TOTALS	112	4,890	13	120

REPORTABLE CRASHES BY COUNTY

County	Total	Fatal	Injury	Property Damage
Adams	36	-	8	28
Barnes	242	4	74	164
Benson	91	2	22	67
Billings	44	-	11	33
Bottineau	95	1	27	67
Bowman	41	1	9	31
Burke	32	1	6	25
Burleigh	1,223	6	398	819
Cass	2,294	8	784	1,502
Cavalier	58	1	14	43
Dickey	88	-	16	72
Divide	26	1	2	23
Dunn	47	1	19	27
Eddy	43	1	7	35
Emmons	60	1	22	37
Foster	57	1	10	46
Golden Valley	25	-	9	16
Grand Forks	1,276	7	460	809
Grant	38	1	6	31
Griggs	41	1	14	26
Hettinger	32	1	16	15
Kidder	70	-	20	50
LaMoure	45	-	17	28
Logan	36	-	15	21
McHenry	102	-	15	87
McIntosh	46	1	8	37
McKenzie	87	3	20	64
McLean	134	3	30	101
Mercer	102	1	36	65
Morton	347	2	120	225
Mountrail	93	3	40	50
Nelson	49	3	12	34
Oliver	28	1	9	18
Pembina	97	-	29	68
Pierce	68	1	22	45
Ramsey	240	4	47	189
Ransom	86	-	17	69
Renville	45	3	12	30
Richland	219	1	68	150
Rolette	86	6	25	55
Sargent	60	-	16	44
Sheridan	3	-	-	3
Sioux	26	4	6	16
Slope	16	1	7	8
Stark	384	2	121	261
Steele	34	-	8	26
Stutsman	484	4	139	341
Towner	25	1	5	19
Traill	128	3	31	94
Walsh	235	3	69	163
Ward	989	9	261	719
Wells	75	3	18	54
Williams	305	3	100	202
TOTALS	10,633	104	3,277	7,252

MOTOR VEHICLE FATALITIES ON MAJOR HOLIDAYS

Holiday	Beginning Date	Ending Date	Hours*	Number Deaths
Memorial Day	May 25	May 28	78	4
July 4th	July 3	July 4	30	—
Labor Day	August 31	September 3	78	1
Thanksgiving	November 21	November 25	102	3
Christmas	December 21	December 25	102	1
New Years	December 29, 1990	January 1, 1991	102	—
TOTAL				6

*Holiday hours established by the National Safety Council and begin at 6:00 p.m. on date shown, and end at 12:00 p.m. on date shown.

RESTRAINT DEVICE USAGE AND EJECTION OF OCCUPANTS IN PASSENGER CARS AND PICKUPS* AGE SIX AND OVER

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not in Use (NA)	31	2,814	14,625	6	40	70	40	257	321
Lap Only	2	67	505	—	1	1	—	1	1
Lap and Shoulder	6	828	5,551	1	3	11	—	1	2
Automatic Belts	—	5	53	—	—	—	—	—	—
Air Bags	—	5	13	—	—	—	—	—	—
Equipment Failed	—	1	1	—	—	—	—	—	—
Other	—	4	20	—	—	—	—	3	3
Unknown	1	209	2,652	—	5	8	—	9	11
SUBTOTALS	40	3,933	23,419	7	49	90	40	271	338

AGE FIVE AND UNDER

Safety Equipment	Not Ejected			Partial Ejection			Total Ejection		
	Killed	Injured	All	Killed	Injured	All	Killed	Injured	All
Not installed	—	10	31	—	—	—	1	—	1
CSS* Used Properly	—	19	269	—	—	—	—	—	—
CSS* Used Improperly	—	3	13	—	—	—	—	—	—
Held by Passenger	—	1	3	—	—	—	—	—	—
In Veh./Not Used	3	109	515	—	1	2	1	16	19
Seat Belt Used	—	62	657	—	—	—	—	2	3
Other	—	—	10	—	—	—	—	—	—
Unknown	—	8	87	—	—	—	—	2	2
SUBTOTALS	3	212	1,585	—	1	2	2	20	25
GRAND TOTALS	43	4,145	25,004	7	50	92	42	291	363

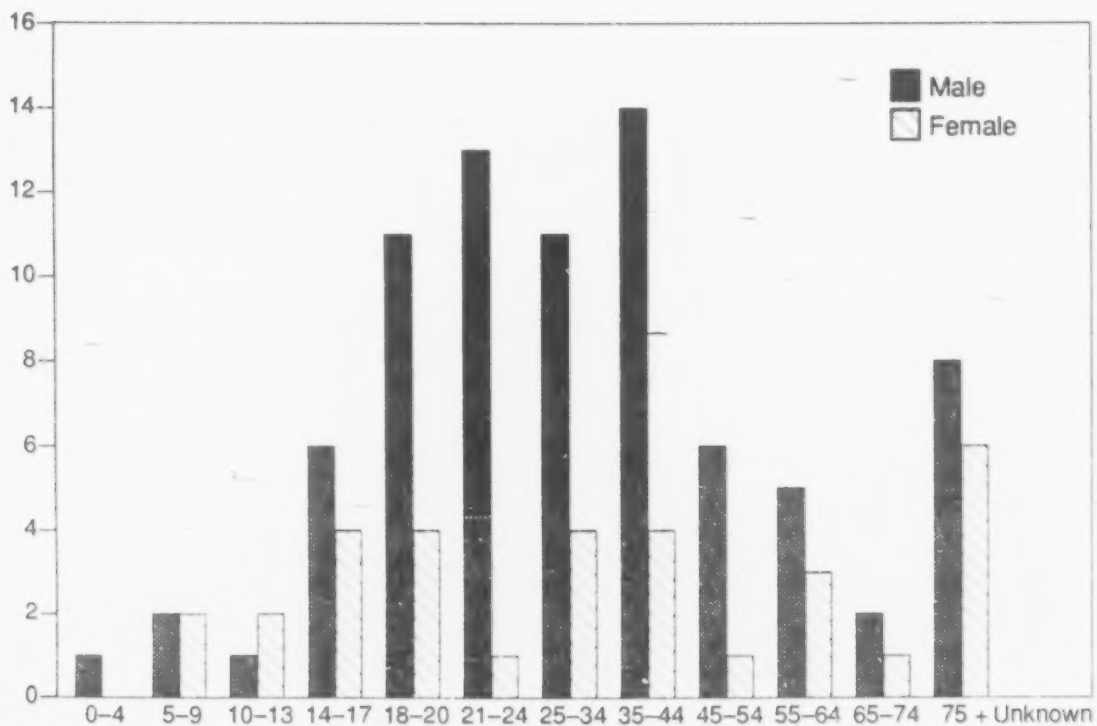
*CSS - Child Safety Seat

TOTAL AND FATAL CRASHES BY TIME OF DAY AND DAY OF WEEK

Time of Day	Total Crashes		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		
	Total	%	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	Fatals	Crashes	
12:01 a.m. - 12:59 a.m.	285	2.7	5	19	-	27	-	27	-	22	1	35	-	72	1	83	3
1:00 a.m. - 1:59 a.m.	397	3.7	8	18	-	27	-	27	-	43	1	43	-	126	3	113	4
2:00 a.m. - 2:59 a.m.	230	2.2	2	11	-	18	-	20	-	22	-	18	1	67	-	74	1
3:00 a.m. - 3:59 a.m.	162	1.5	6	5	-	9	-	13	-	9	-	16	1	50	1	60	4
4:00 a.m. - 4:59 a.m.	110	1.0	2	10	1	10	-	7	-	11	-	9	-	32	-	31	1
5:00 a.m. - 5:59 a.m.	127	1.2	1	6	-	16	-	14	-	12	-	17	-	30	-	32	1
6:00 a.m. - 6:59 a.m.	214	2.0	-	34	-	28	-	29	-	23	-	35	-	32	-	33	-
7:00 a.m. - 7:59 a.m.	426	4.0	6	83	1	83	-	82	-	72	1	55	1	28	3	23	-
8:00 a.m. - 8:59 a.m.	405	3.8	4	66	2	74	1	70	-	70	-	68	-	34	1	23	-
9:00 a.m. - 9:59 a.m.	347	3.3	6	64	1	46	1	64	-	48	1	56	1	46	2	23	-
10:00 a.m. - 10:59 a.m.	414	3.9	3	69	1	50	-	59	1	47	-	60	-	80	-	49	1
11:00 a.m. - 11:59 a.m.	502	4.7	1	73	-	76	1	67	-	82	-	80	-	82	-	42	-
12:00 a.m. - 12:59 p.m.	612	5.8	4	97	-	83	-	83	1	105	1	106	1	87	-	51	1
1:00 p.m. - 1:59 p.m.	582	5.5	3	93	-	75	2	84	1	82	-	101	-	86	-	61	-
2:00 p.m. - 2:59 p.m.	587	5.5	3	85	-	75	-	87	1	98	-	116	2	81	-	45	-
3:00 p.m. - 3:59 p.m.	751	7.1	5	118	2	119	-	105	-	134	-	152	1	82	1	41	1
4:00 p.m. - 4:59 p.m.	757	7.1	10	87	-	121	1	93	3	137	2	155	-	103	3	61	1
5:00 p.m. - 5:59 p.m.	761	7.2	3	120	-	123	-	126	-	108	-	133	-	72	3	79	-
6:00 p.m. - 6:59 p.m.	612	5.8	9	82	2	91	1	80	2	92	1	107	2	98	-	62	1
7:00 p.m. - 7:59 p.m.	496	4.7	4	76	-	60	-	63	1	61	1	99	1	74	1	63	-
8:00 p.m. - 8:59 p.m.	447	4.2	5	62	3	38	-	62	-	57	-	87	-	80	1	61	1
9:00 p.m. - 9:59 p.m.	513	4.8	3	55	-	57	1	66	-	72	2	114	-	88	-	61	-
10:00 p.m. - 10:59 p.m.	513	4.8	4	59	-	61	2	61	-	52	1	129	-	112	1	39	-
11:00 p.m. - 11:59 p.m.	381	3.6	7	31	1	47	2	34	1	41	-	89	2	102	1	37	-
Unknown Times	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
TOTALS	10,633	100.0	104	1,424	14	1,414	12	1,423	11	1,500	12	1,880	13	1,745	22	1,247	20

AGE AND SEX OF FATALITIES

Age	Total Fatalities		Pedestrian Fatalities		Pedalcyclist Fatalities	
	Male	Female	Male	Female	Male	Female
0 - 4	1	-	-	-	-	-
5 - 9	2	2	-	-	1	-
10 - 13	1	2	-	-	-	-
14 - 17	6	4	-	-	-	-
18 - 20	11	4	-	-	-	1
21 - 24	13	1	2	-	-	-
25 - 34	11	4	2	-	-	-
35 - 44	14	4	-	2	-	-
45 - 54	6	1	-	-	-	-
55 - 64	5	3	1	1	-	-
65 - 74	2	1	-	-	-	-
75 & older	8	6	1	4	-	-
Unknown	-	-	-	-	-	-
TOTAL	80	32	6	7	1	1



NORTH DAKOTA/OUT-OF-STATE DRIVER INVOLVEMENT

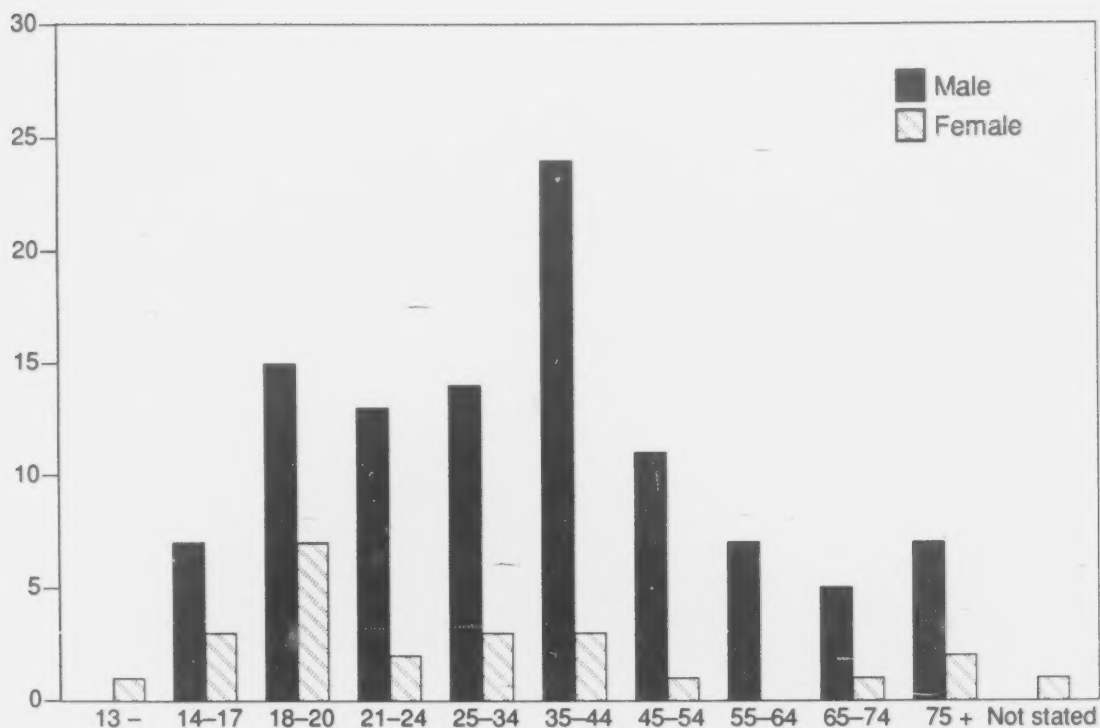
License	All Crashes	Fatal Crashes	Injury Crashes
North Dakota	14,147 or 84.1%	102 or 80.3%	4,480 or 83.3%
Out-of-State	2,513 or 14.9%	20 or 15.8%	841 or 15.6%
Unknown	170 or 1.0%	5 or 3.9%	61 or 1.1%
TOTAL	16,830	127	5,382

AGE AND SEX OF PERSONS INJURED

Age	Total	Pedestrian Injuries		Pedalcyclist Injuries	
		Male	Female	Male	Female
0 - 4	90	47	43	2	7
5 - 9	168	87	81	8	10
10 - 13	163	89	74	5	6
14 - 17	797	340	457	3	5
18 - 20	700	373	327	4	1
21 - 24	538	287	251	3	3
25 - 34	834	461	373	12	4
35 - 44	550	280	270	7	6
45 - 54	317	146	171	5	4
55 - 64	237	109	128	6	3
65 - 74	211	83	128	3	3
75 & older	232	111	121	4	5
Unknown	53	22	31	1	-
TOTAL	4,890	2,435	2,455	63	57

AGE AND SEX OF DRIVERS INVOLVED IN FATAL CRASHES

Age	Male	Female	Total	% of Total
13 & under	—	1	1	0.8
14 — 17	7	3	10	7.9
18 — 20	15	7	22	17.3
21 — 24	13	2	15	11.8
25 — 34	14	3	17	13.4
35 — 44	24	3	27	21.2
45 — 54	11	1	12	9.5
55 — 64	7	—	7	5.5
65 — 74	5	1	6	4.7
75 & older	7	2	9	7.1
Not stated	—	1	1	0.8
TOTAL	103	24	127	



CRASH INVOLVEMENT BY AGE, SEX AND LICENSE OF DRIVER

Age	Licensed Drivers	Involved In All Crashes	Involved In Injury Crashes
13 & under	— —	26 or 0.2%	9 or 0.2%
14 — 17	17,056 or 4.0%	2,027 or 12.0%	686 or 12.7%
18 — 20	24,528 or 5.7%	2,345 or 13.9%	801 or 14.9%
21 — 24	32,036 or 7.5%	2,015 or 12.0%	693 or 12.9%
25 — 34	93,212 or 21.7%	3,743 or 22.2%	1,192 or 22.2%
35 — 44	87,817 or 20.5%	2,539 or 15.1%	777 or 14.4%
45 — 54	54,629 or 12.7%	1,365 or 8.1%	387 or 7.2%
55 — 64	49,457 or 11.5%	1,093 or 6.5%	326 or 6.0%
65 — 74	42,265 or 9.9%	884 or 5.3%	253 or 4.7%
75 & older	27,693 or 6.5%	652 or 3.9%	207 or 3.8%
Not stated	— —	141 or 0.8%	51 or 1.0%
TOTALS	428,693	16,830	5,382

Sex			
Male	217,528 or 50.7%	10,575 or 62.8%	3,183 or 59.1%
Female	211,165 or 49.3%	6,255 or 37.2%	2,199 or 40.9%
TOTALS	428,693	16,830	5,382

FATALITY BLOOD ALCOHOL CONCENTRATION LEVELS

The North Dakota Century Code requires that the state toxicologist analyze a blood sample of every person killed in a traffic crash for the purpose of determining if the individual has a Measurable Blood Alcohol Concentration (BAC), and what the percentage of BAC was. The following statistics were provided by the state toxicologist for the period January 1981 through December 1990.

	1990	January 1981 thru December 1990
Traffic deaths in North Dakota	112	1,122
Victims 14 years of age and older	104	1,050
Number of satisfactory blood samples analyzed	79	761
Victims	112 (79)*	1,122 (761)*
Measurable BAC	47 or 59%	470 or 62%
BAC of 0.05% or higher	44 or 56%	439 or 58%
BAC of 0.10% or higher	39 or 49%	394 or 52%
BAC of 0.15% or higher	32 or 41%	321 or 42%
BAC of 0.20% or higher	24 or 30%	187 or 25%
Drivers killed	63 (51)*	733 (573)*
Measurable BAC	33 or 65%	360 or 63%
BAC of 0.05% or higher	31 or 61%	342 or 60%
BAC of 0.10% or higher	27 or 53%	308 or 54%
BAC of 0.15% or higher	23 or 45%	253 or 44%
BAC of 0.20% or higher	15 or 29%	146 or 25%
Drivers killed in single-vehicle crashes	38 (32)*	341 (283)*
Measurable BAC	21 or 66%	219 or 77%
BAC of 0.05% or higher	21 or 66%	216 or 76%
BAC of 0.10% or higher	20 or 63%	200 or 71%
BAC of 0.15% or higher	18 or 56%	171 or 60%
BAC of 0.20% or higher	12 or 38%	102 or 36%
Victims 14 to 20 years of age	25 (19)*	225 (163)*
Measurable BAC	12 or 63%	107 or 66%
BAC of 0.05% or higher	11 or 58%	93 or 57%
BAC of 0.10% or higher	9 or 47%	75 or 46%
BAC of 0.15% or higher	6 or 32%	46 or 28%
BAC of 0.20% or higher	3 or 16%	17 or 10%
Drivers 14 to 20 years of age	14 (12)*	140 (113)*
Measurable BAC	8 or 67%	77 or 68%
BAC of 0.05% or higher	7 or 58%	71 or 63%
BAC of 0.10% or higher	6 or 50%	57 or 50%
BAC of 0.15% or higher	4 or 33%	37 or 33%
BAC of 0.20% or higher	1 or 8%	12 or 11%

*Numbers in parenthesis are the number of blood samples processed by the state toxicologist.

TRAFFIC VIOLATIONS/CONVICTIONS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	1990	1989
Intoxicating Liquor - DUI	131	188	124	207	263	220	263	305	148	259	124	116	2,348	1,702
Physical Control - UI	8	14	14	13	20	15	20	28	18	21	12	9	192	156
Careless Driving	52	20	32	31	30	43	22	28	10	18	17	9	312	471
Racing MV on Highway	3	3	4	5	2	2	6	-	1	18	2	-	46	55
Exhibition Driving	69	37	41	60	61	100	81	80	47	71	31	9	687	921
Fail to Yield R/W to MV	3	-	-	1	-	1	-	-	-	-	-	-	5	46
Disregarded Traffic Control	272	194	202	140	196	152	145	88	82	141	92	21	1,725	2,321
Disregard Law Officer in MV	6	4	4	10	8	10	-	9	8	-	2	7	68	92
No Liability Insurance	48	1	-	47	66	83	95	80	40	17	28	38	543	552
Operate MV Without License	145	131	143	125	148	194	119	156	99	126	89	41	1,516	2,007
Care Required	235	156	145	121	124	162	111	112	81	142	100	22	1,511	2,058
Fail to Stop	475	373	393	297	304	309	253	341	134	317	224	57	3,477	4,448
Open Container in MV	88	46	72	67	76	113	87	56	56	92	41	12	806	1,189
Fail/False Report of Crash	33	35	16	27	24	32	15	18	8	20	7	8	243	260
Reckless Driving	32	36	23	29	39	38	40	35	19	41	19	19	370	360
Violated Restrictions	10	9	9	9	15	26	6	8	6	13	6	-	117	207
Leaving Scene of Crash	21	10	12	14	21	12	7	14	13	15	9	9	157	166
Driving Under Susp./Revoc.	211	166	106	193	179	70	155	186	38	32	3	174	1,513	1,719
Speeding	5,415	4,466	4,873	4,654	4,482	4,935	4,426	3,663	2,201	4,355	2,801	870	47,141	66,273
Miscellaneous	1,188	842	895	877	910	1,059	704	704	507	773	571	237	9,267	11,889
TOTALS	8,445	6,731	7,108	6,927	6,968	7,576	6,555	5,911	3,516	6,471	4,178	1,658	72,044	96,892

CRASHES BY TYPE OF DRIVER VIOLATION

Violation/ Circumstance	All Crashes			Fatal Crashes			Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
D.U.I.	249	268	517	4	18	22	125	181	306
Open Container	9	14	23	—	1	1	4	5	9
Drivers License	128	122	250	—	8	8	57	53	110
Careless Driving	437	628	1,065	—	7	7	146	248	394
Left Crash Scene	204	57	261	—	—	—	58	14	72
Fail to Yield	1,581	272	1,853	3	4	7	511	105	616
Traffic Control	336	6	342	—	—	—	117	3	120
Following	504	70	574	—	—	—	205	26	231
Improper Turning	336	44	380	—	—	—	57	10	67
Improper Backing	84	34	118	—	—	—	4	3	7
Overtaking	42	41	83	—	1	1	9	11	20
Wrong Way	12	5	17	—	2	2	5	2	7
Speed	91	22	113	—	1	1	21	8	29
Defective Equipment	30	21	51	—	1	1	11	11	22
Criminal Offense	21	27	48	—	1	1	6	18	24
Illegal Parking	8	8	16	—	—	—	2	3	5
Other	597	427	1,024	1	7	8	194	163	357
None	6,336	3,759	10,095	14	54	68	2,139	847	2,986
TOTALS	11,005	5,825	16,830	22	105	127	3,671	1,711	5,382

CRASH SUMMARY BY MONTH

Month	Total Crashes	Fatal Crashes	Injury Crashes	No. Deaths	No. Injured
January	830 or 7.8%	7	209	7	309
February	768 or 7.2%	3	187	3	265
March	817 or 7.7%	9	242	9	369
April	796 or 7.5%	7	276	7	393
May	785 or 7.3%	6	282	9	416
June	824 or 7.8%	10	291	11	440
July	881 or 8.3%	5	308	6	476
August	868 or 8.2%	11	343	11	548
September	907 or 8.5%	10	325	11	490
October	1,034 or 9.7%	15	316	16	488
November	980 or 9.2%	14	253	15	342
December	1,143 or 10.8%	7	245	7	354
TOTALS	10,633	104	3,277	112	4,890

CRASHES BY LIGHT CONDITIONS

Light Condition	Total Crashes		Fatal Crashes	Injury Crashes
 Daylight	6,349	or 59.7%	47	2,069
 Dawn	217	or 2.0%	2	59
 Dusk	381	or 3.6%	4	113
 Darkness	1,694	or 15.9%	8	537
 Darkness	1,987	or 18.7%	43	498
 ? Unknown	5	or 0.1%	—	1
TOTALS	10,633		104	3,277

ROAD SURFACE AND WEATHER CONDITIONS

FATAL CRASHES

Road Surface Conditions

Weather Condition	Road Surface Conditions								Total
	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	
 Clear/Cloudy	85	3	—	1	1	2	2	1	95
 Rain	—	2	—	—	—	—	—	—	2
 Snow	—	—	—	—	—	—	—	—	—
 Blow Snow	1	1	—	—	—	1	—	—	3
 Fog/Smoke	1	—	—	—	—	—	—	—	1
 Wind	2	—	—	—	—	1	—	—	3
TOTALS	89	6	—	1	1	4	2	1	104

ROAD SURFACE AND WEATHER CONDITIONS INJURY CRASHES

Road Surface Conditions

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
 Clear/Cloudy	2,510	125	3	19	19	210	32	11	2,929
 Rain	—	141	1	1	2	12	—	—	157
 Snow	—	9	1	21	9	33	—	—	73
 Blow Snow	20	1	—	8	2	33	—	1	65
 Sleet/Hail	—	3	—	—	7	12	—	—	22
 Fog/Smoke	12	4	—	—	—	3	—	—	19
 Wind	4	1	—	—	—	2	—	—	7
 Other	1	—	—	—	—	2	—	2	5
TOTALS	2,547	284	5	49	39	307	32	14	3,277

ROAD SURFACE AND WEATHER CONDITIONS ALL CRASHES

Road Surface Conditions

Weather Condition	Dry	Wet	Muddy	Snow	Slush	Ice/ Comp. Snow	Frost	Other	Total
 Clear/ Cloudy	7,719	412	14	119	51	982	110	22	9,429
 Rain	—	405	7	1	4	35	—	—	452
 Snow	—	20	2	100	26	210	3	—	361
 Slow Snow	43	2	—	30	7	157	3	1	243
 Sleet Hail	—	7	—	—	13	43	—	—	63
 Fog Smoke	26	11	—	2	—	6	—	—	45
 Wind	17	3	—	1	1	8	—	—	30
 Other	2	—	—	—	—	3	—	5	10
TOTALS	7,807	860	23	253	102	1,444	116	28	10,633

TYPE OF MOTOR VEHICLE CRASHES NUMBER OF CRASHES

	TOTAL				ON ROADWAY				OFF ROADWAY			
	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage	Total	Fatal	Injury	Damage
Overturning	1,148	30	557	561	169	-	92	77	979	30	465	484
Other Noncollision	216	4	91	121	63	3	28	32	153	1	63	89
Stuck Other MV	5,951	26	1,908	4,617	5,891	26	1,888	3,977	60	-	20	40
Parked MV	647	1	98	548	371	1	58	312	276	-	40	236
Pedestrian	115	13	102	-	105	11	94	-	10	2	8	-
Train	14	3	8	3	14	3	8	3	-	-	-	-
Pedalcyclist	68	1	67	-	62	1	61	-	6	-	6	-
Animal	1,186	-	42	1,144	1,181	-	40	1,141	5	-	2	3
Fixed Object	1,185	25	389	771	156	1	37	118	1,029	24	352	653
Other Object	53	1	12	40	37	1	9	27	16	-	3	13
Fire/Explosion	48	-	3	45	30	-	2	28	18	-	1	17
Submersion	2	-	-	2	1	-	-	1	1	-	-	1
Unknown	-	-	-	-	-	-	-	-	-	-	-	-
Totals	10,633	104	3,277	7,252	8,080	47	2,317	5,716	2,553	57	960	1,536

NUMBER OF PERSONS INVOLVED

	Fatalities			Incapacitating Injury		Evident Injury		Possible Injury		No Injury	
	Total	Fatalities	Incapacitating Injury	Incapacitating Injury	Evident Injury	Possible Injury	No Injury	Possible Injury	No Injury	Possible Injury	No Injury
Overturning	1,841	30	165	402	268	976	235	15,298	683	128	5
Other Noncollision	351	4	7	76	29	235	15,298	683	128	5	8
Stuck Other MV	18,348	33	339	914	1,764	2,041	1,205	71	81	5	8
Parked MV	802	1	16	57	45	171	8	-	-	-	-
Pedestrian	250	13	33	55	21	171	8	-	-	-	-
Train	19	3	4	7	-	-	-	-	-	-	-
Pedalcyclist	150	1	11	39	20	79	2,041	1,205	71	81	5
Animal	2,091	-	4	21	25	2,041	1,205	71	81	5	8
Fixed Object	1,777	26	111	264	171	1,205	71	81	5	8	-
Other Object	91	1	3	8	8	8	81	5	8	-	-
Fire/Explosion	84	-	1	2	-	-	-	-	-	-	-
Submersion	5	-	-	-	-	-	-	-	-	-	-
Unknown	8	-	-	-	-	-	-	-	-	-	-
Totals	25,817	112	694	1,845	2,351	20,815	2,351	20,815	2,351	20,815	2,351

*SUMMARY OF REPORTABLE CRASHES BY CITY POPULATION 5,000 AND OVER

	Total	Fatal	Injury	Damage	Number Killed	Number Injured
Fargo	1,801	4	630	1,176	4	895
Grand Forks	952	2	368	582	2	501
Bismarck	1,034	3	340	691	3	484
Minot	767	4	210	553	4	317
Jamestown	307	—	91	216	—	136
Dickinson	279	2	81	196	2	132
Williston	192	1	63	128	1	90
Mandan	155	—	56	99	—	85
Valley City	94	2	27	65	2	45
Devils Lake	126	1	24	101	1	33
Wahpeton	93	—	28	65	—	37
Grafton	81	1	17	63	1	20
West Fargo	135	—	44	91	—	56
TOTALS	6,025	20	1,979	4,026	20	2,831

*Does not include Interstate urban accidents.

VEHICLE INVOLVEMENT BY TYPE

	Total	Fatal	Injury
Passenger Car	11,579 or 64.4%	63	3,768
Pickup — Van — Jeep	4,282 or 23.8%	42	1,195
Truck Tractor	306 or 1.7%	7	79
Truck	276 or 1.6%	2	102
Taxi	3 or 0.0%	—	1
Bus	25 or 0.2%	—	10
School Bus	16 or 0.1%	—	2
Motorcycle	204 or 0.2%	7	172
Moped	5 or 0.0%	1	4
Pedalcycle	113 or 0.6%	2	110
Construction Equipment	18 or 0.1%	—	4
Snowmobile	4 or 0.0%	1	2
Emergency Vehicle	13 or 0.1%	—	5
Train	21 or 0.1%	4	9
Motor Home/RV	20 or 0.1%	1	4
Farm Equipment	20 or 0.1%	—	4
Modified Vehicle	3 or 0.0%	—	1
All Terrain Vehicle	5 or 0.0%	1	4
Parked	1,009 or 5.6%	5	192
Other	51 or 0.3%	2	25
TOTALS	17,973	138	5,693

CRASHES BY OBJECT STRUCK

	All Urban	All Rural	Fatal Urban	Fatal Rural	Injury Urban	Injury Rural
None	5,309	2,070	15	44	1,731	2,070
Official Sign	72	78	—	2	21	78
Advertising Sign	6	8	—	—	2	8
Delineator	5	44	—	—	1	44
Guardrail	42	108	1	1	13	108
Light Standard	86	13	—	—	31	13
Bridge	21	41	1	1	7	41
Drainage Structure	1	40	—	1	1	40
Utility Pole	83	55	—	4	26	55
Tree/Shrub	92	109	—	4	44	109
Rocks	2	13	—	1	1	13
Ditch/Slope	31	488	—	10	15	488
Fence	33	82	—	—	9	82
Hydrant	22	2	—	—	8	2
Bird	—	3	—	—	—	3
Small Pet	—	3	—	—	—	3
Small Wild Animal	—	4	—	—	—	4
Farm Animal	1	86	—	—	—	86
Deer	17	1,059	—	—	1	1,059
Other Big Game	—	20	—	—	—	20
Approach	2	100	—	9	2	100
Building	31	15	—	—	10	15
Mailbox	14	30	—	4	5	30
Snowbank	6	6	—	—	3	6
Curb/Wall	65	7	—	—	27	7
Other	84	124	3	3	21	124
TOTALS	6,025	4,608	20	84	1,979	4,608

CRASHES BY URBAN POPULATION

*Urban Population	NUMBER OF CRASHES				NUMBER OF PERSONS	
	Total	Fatal	Injury	Damage	Killed	Injured
5,000 - 10,000	394	4	96	294	4	134
10,000 - 25,000	1,068	3	335	730	3	498
25,000 - 50,000	2,753	9	918	1,826	9	1,297
50,000 - 100,000	1,810	4	630	1,176	4	893
TOTALS	6,025	20	1,979	4,026	20	2,822

*Does not include Interstate urban crashes. Interstate is considered a rural roadway.

CRASHES BY ROADWAY

URBAN

Urban Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	195	2	53	140	2	77
Federal Aid Primary	1,647	5	582	1,060	5	894
Federal Aid Urban	2,302	11	754	1,537	11	1,031
Local	2,076	4	643	1,429	4	906
SUBTOTALS	6,220	22	2,032	4,166	22	2,908

RURAL

Rural Roadways	Total	Fatal	Injury	Damage	Killed	Injured
Interstate	504	7	112	385	11	170
Federal Aid Primary	1,498	30	388	1,080	32	696
Federal Aid Secondary	851	23	259	569	24	377
Local	1,560	22	486	1,052	23	739
SUBTOTALS	4,413	82	1,245	3,086	90	1,982
TOTALS	10,633	104	3,277	7,252	112	4,890

NON-TRAFFIC CRASHES*

	CRASHES			
	Total	Fatal	Injury	Damage
Overturning	49	—	23	26
Other Noncollision	12	—	8	4
Struck Other MV	312	—	46	266
Parked MV	—	—	—	—
Pedestrian	23	1	22	—
RR Train	—	—	—	—
Pedalcyclist	9	—	9	—
Animal	1	—	1	—
Fixed Object	243	1	43	199
Other Object	12	—	5	7
Fire/Explosion	6	—	—	6
Submersion	8	—	—	8
Unknown	391	—	13	378
TOTALS	1,066	2	170	894

	PERSONS					
	Total	Fatalities	Incap. Injury	Evident Injury	Possible Injury	None
Overturning	66	—	8	10	7	41
Other Noncollision	23	—	1	5	2	15
Struck Other MV	860	—	4	11	39	806
Parked MV	—	—	—	—	—	—
Pedestrian	50	1	5	7	7	30
RR Train	—	—	—	—	—	—
Pedalcyclist	13	—	—	—	—	13
Animal	1	—	1	—	—	—
Fixed Object	300	1	6	29	21	243
Other Object	14	—	1	2	1	10
Fire/Explosion	7	—	—	—	—	7
Submersion	20	—	—	—	—	20
Unknown	415	—	—	7	7	401
TOTALS	1,769	2	26	71	84	1,586

*Any crash involving motor vehicles occurring entirely outside of a public traveled way.